Appl. No. 09/903,982
Amdt. dated September 22, 2004
Reply to Office Action of June 23, 2004

PATENT

AMENDMENTS TO THE ABSTRACT:

Please replace the abstract with the following amended abstract:

~~A process (400) according to one implementation of the present invention is initiated by receiving (402) a service zone definition for a boundary crossing. The boundary crossings application further receives (404) a monitoring request. For example, a vehicle rental company may enter the MIN/ESN of all mobile units associated with vehicles that are to be monitored, the timeframes during which the vehicles are to be monitored and the specific zones or boundaries with respect to which vehicle movement is to be monitored. Movements of the mobile unit or units of interest can then be monitored by receiving and storing (406) current location information, retrieving (408) prior location information for the mobile unit or units, and using (410) the current and prior location information to determine whether a service zone boundary has been crossed during the intervening time interval. Once a determination is made (412) as to whether a boundary crossing has occurred, the boundary crossing application may continue monitoring mobile unit location/movement and/or may generate (414) service information according to application parameters. The service information is then transmitted (416) according to application parameters. Such application parameters may specify the recipient, content and format of the service information.~~ A method for use in providing services based on the locations of mobile units in a wireless communications network is provided. The method comprises providing a location-based services application running, at least in part, on a processing platform associated with the wireless communications network and defining at least one service zone boundary for said location-based services application, wherein said service zone boundary passes through at least one of a plurality of coverage areas of the wireless communications network. The method further comprises storing an identifier for a mobile unit, monitoring a location of said mobile unit, using said location-based services application and said identifier of said mobile unit, to identify a crossing of said service zone boundary by said mobile unit, and transmitting service information regarding said mobile unit in response to said crossing of said service zone boundary by said mobile unit.